

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
 Data File : BF130922.D
 Acq On : 02 Nov 2022 02:56
 Operator : CG\JU
 Sample : N5392-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OE-1-103122

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/02/2022
 Supervised By : Jagrut Upadhyay 11/02/2022

Quant Time: Nov 02 08:28:36 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 02 08:18:35 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.940	152	67756	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	214388	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	102442	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	202083	20.000	ng	0.00
76) Chrysene-d12	14.133	240	117619	20.000	ng	# 0.00
86) Perylene-d12	15.662	264	89954	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.545	112	170506	43.626	ng	0.00
7) Phenol-d6	6.551	99	195511	38.495	ng	0.00
23) Nitrobenzene-d5	7.498	82	114881	32.311	ng	0.00
42) 2,4,6-Tribromophenol	10.775	330	44263	51.328	ng	0.00
45) 2-Fluorobiphenyl	9.298	172	203008	29.961	ng	0.00
79) Terphenyl-d14	13.069	244	217985	33.961	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	9.845	152	57267	6.192	ng	99
52) Acenaphthene	10.016	154	24847	4.345	ng	99
55) Dibenzofuran	10.192	168	39672	4.786	ng	99
58) Fluorene	10.533	166	70828	10.852	ng	96
71) Phenanthrene	11.510	178	670245	64.260	ng	100
72) Anthracene	11.557	178	209686	20.382	ng	98
73) Carbazole	11.710	167	40709	4.419	ng	99
75) Fluoranthene	12.704	202	969876	87.518	ng	99
78) Pyrene	12.933	202	731636	73.729	ng	99
81) Benzo(a)anthracene	14.127	228	350716	44.974	ng	93
83) Chrysene	14.163	228	298737	39.715	ng	98
87) Indeno(1,2,3-cd)pyrene	17.221	276	116995	19.585	ng	# 92
88) Benzo(b)fluoranthene	15.210	252	327261m	56.280	ng	
89) Benzo(k)fluoranthene	15.233	252	104262m	18.401	ng	
90) Benzo(a)pyrene	15.598	252	212673	45.497	ng	95
91) Dibenzo(a,h)anthracene	17.233	278	29957	6.152	ng	# 83
92) Benzo(g,h,i)perylene	17.692	276	98277	19.782	ng	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

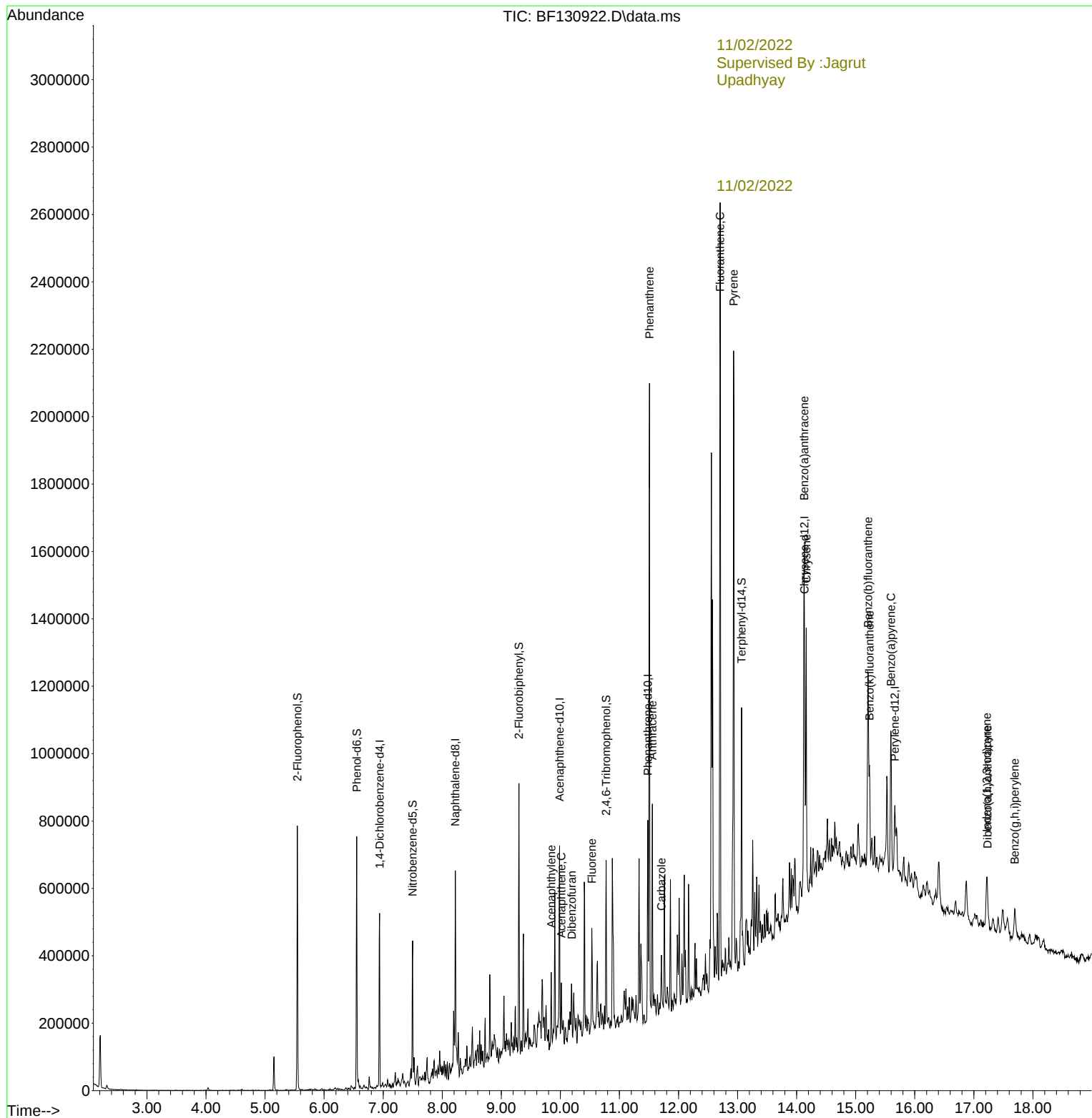
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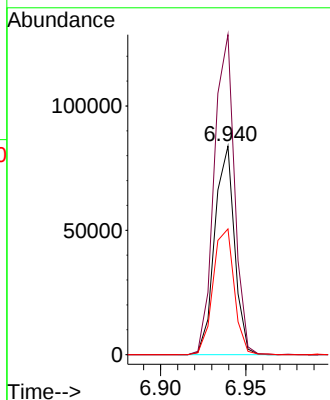
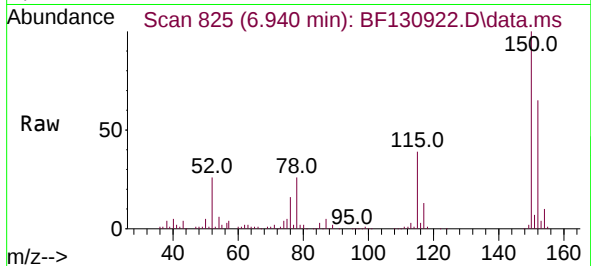
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.940 min Scan# 81
Delta R.T. 0.001 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

Instrument :
BNA_F
ClientSampleId :
OE-1-103122

Tgt Ion:152 Resp: 67756
Ion Ratio Lower Upper
152 100
150 153.5 124.1 186.1
115 60.3 50.1 75.1

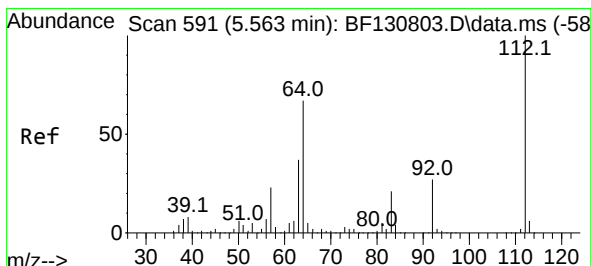
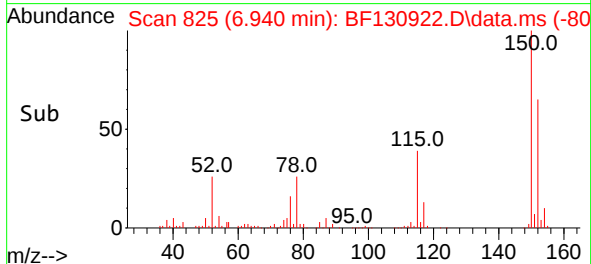
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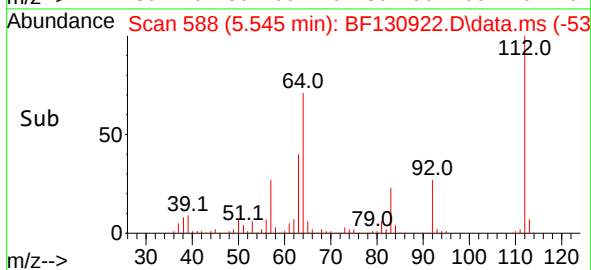
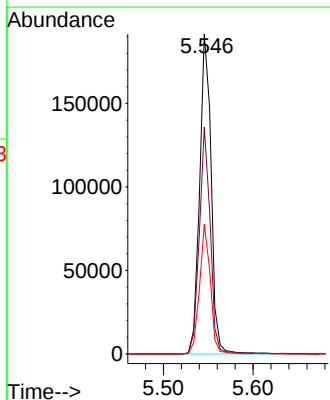
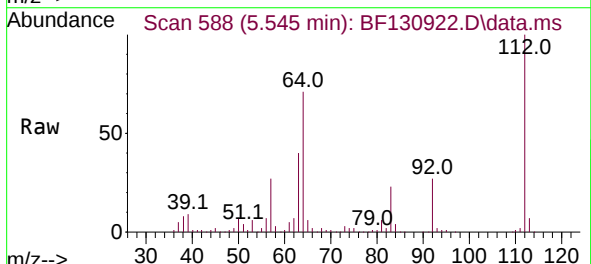
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#5
2-Fluorophenol
Concen: 43.626 ng
RT: 5.545 min Scan# 588
Delta R.T. -0.006 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

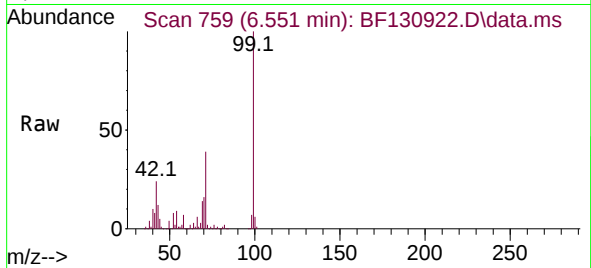
Tgt Ion:112 Resp: 170506
Ion Ratio Lower Upper
112 100
64 70.8 53.9 80.9
63 40.5 29.4 44.2





#7
Phenol-d6
Concen: 38.495 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

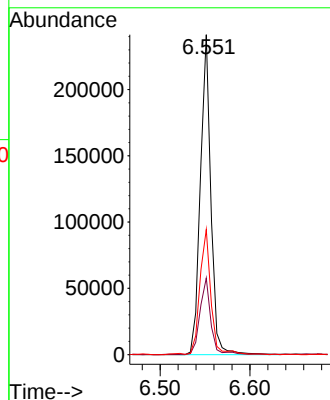
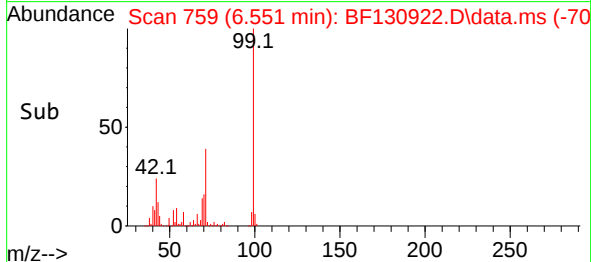
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 19551
Ion Ratio Lower Upper
99 100
42 23.9 18.8 28.2
71 39.1 31.4 47.0

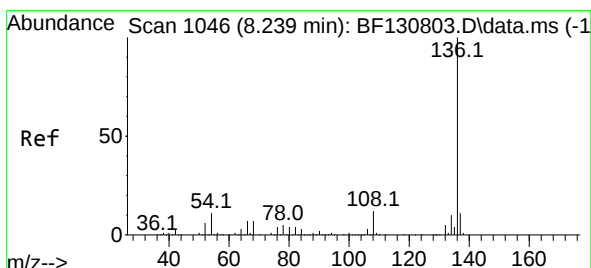
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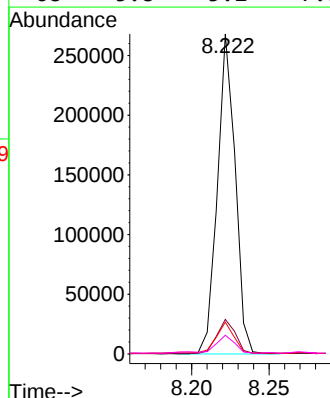
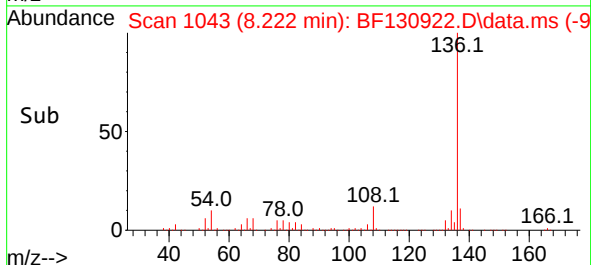
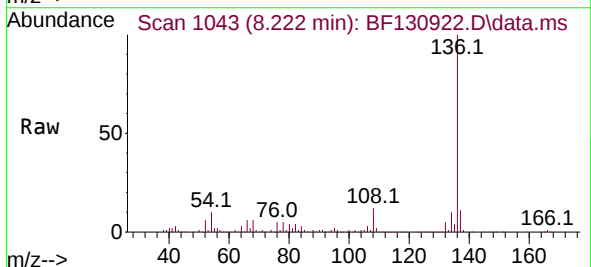
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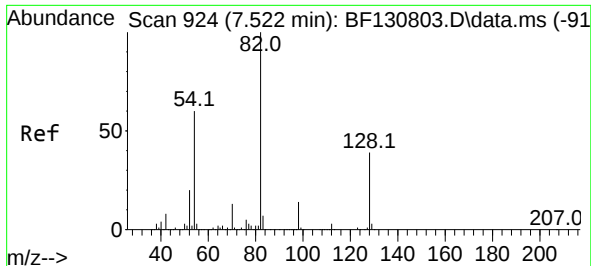
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

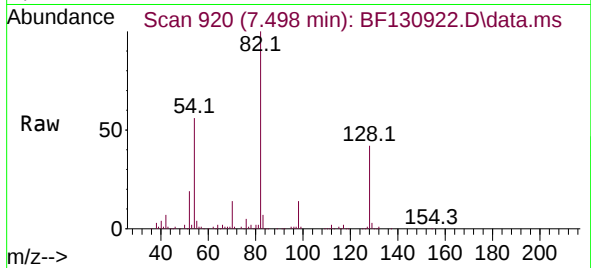
Tgt Ion:136 Resp: 214388
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 9.9 8.8 13.2
68 5.8 5.2 7.8





#23
Nitrobenzene-d5
Concen: 32.311 ng
RT: 7.498 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

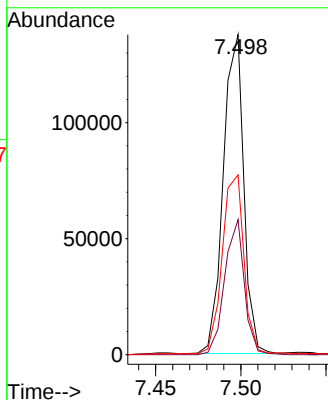
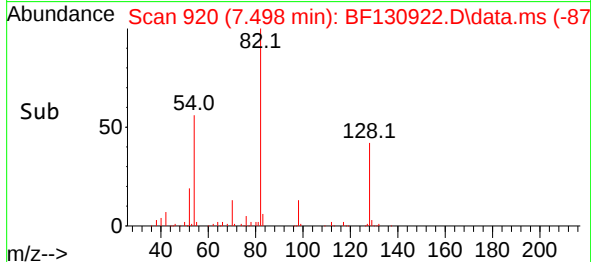
Instrument :
BNA_F
ClientSampleId :
OE-1-103122



Tgt Ion: 82 Resp: 11488
Ion Ratio Lower Upper
82 100
128 42.2 31.2 46.8
54 56.2 48.0 72.0

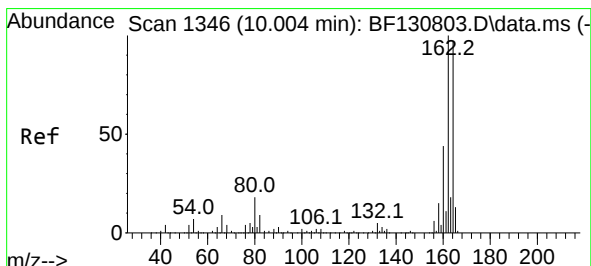
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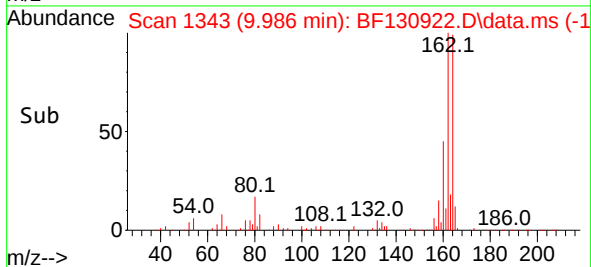
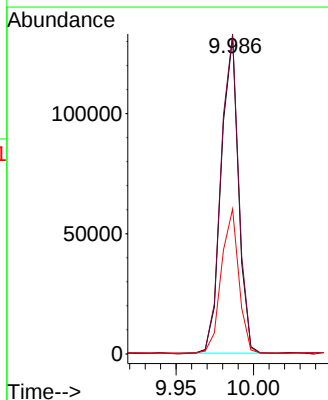
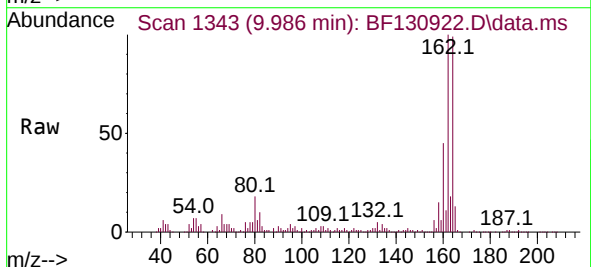
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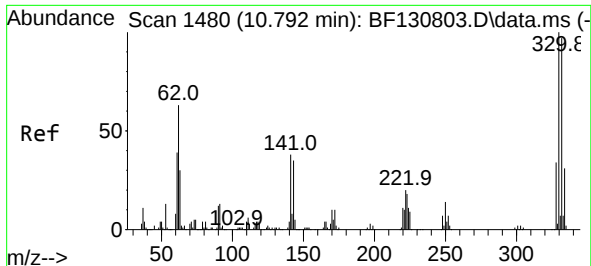
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 1343
Delta R.T. 0.000 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

Tgt Ion:164 Resp: 102442
Ion Ratio Lower Upper
164 100
162 100.8 82.2 123.2
160 45.7 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 51.328 ng
RT: 10.775 min Scan# 1480
Delta R.T. -0.006 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

Instrument :

BNA_F

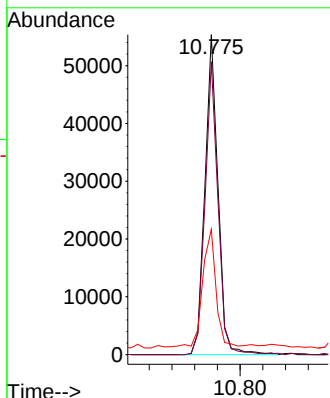
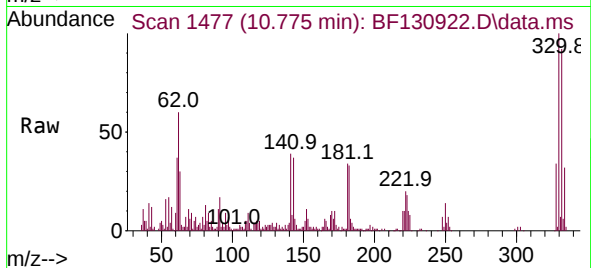
ClientSampleId :

OE-1-103122

Tgt Ion: 330 Resp: 44263
Ion Ratio Lower Upper
330 100
332 91.2 76.2 114.4
141 36.9 31.4 47.0

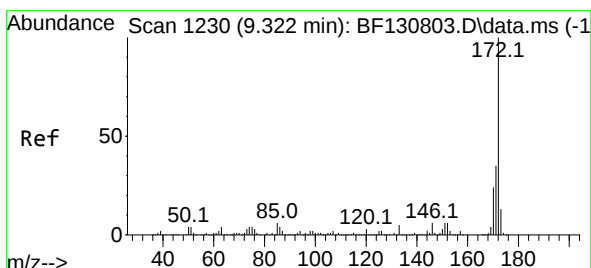
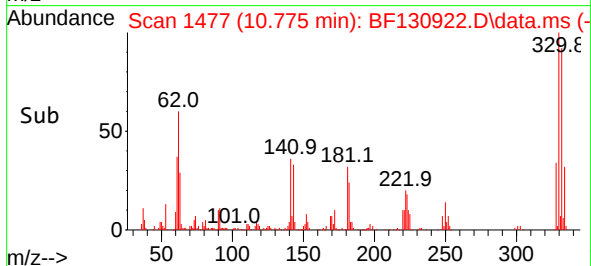
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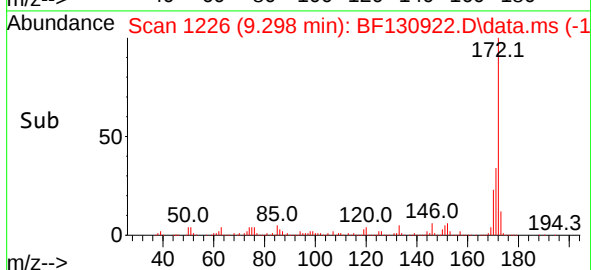
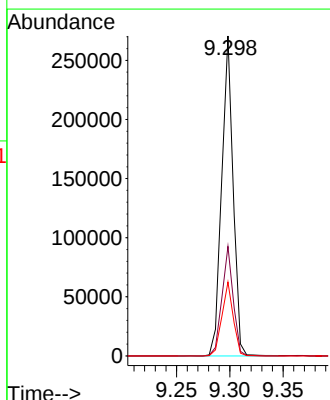
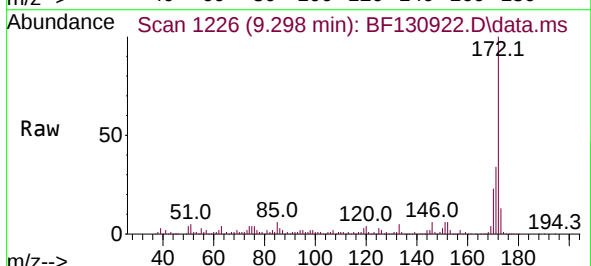
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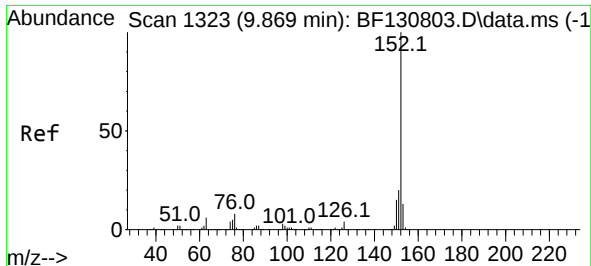
11/02/2022



#45
2-Fluorobiphenyl
Concen: 29.961 ng
RT: 9.298 min Scan# 1226
Delta R.T. -0.006 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

Tgt Ion: 172 Resp: 203008
Ion Ratio Lower Upper
172 100
171 34.2 28.1 42.1
170 23.1 19.0 28.4





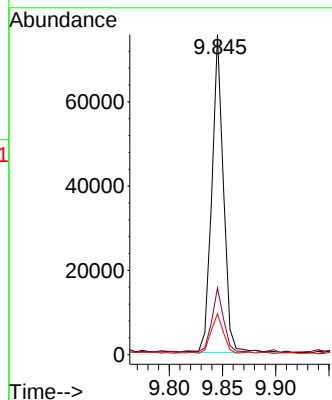
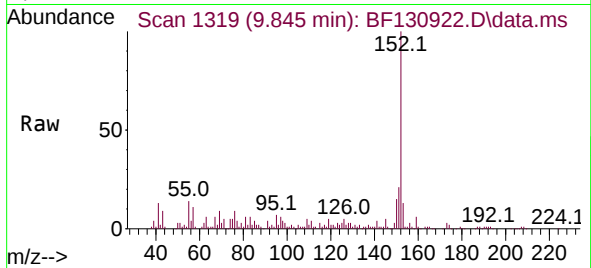
#49
Acenaphthylene
Concen: 6.192 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

Instrument :
BNA_F
ClientSampleId :
OE-1-103122

Tgt Ion:152 Resp: 5726
Ion Ratio Lower Upper
152 100
151 20.9 15.8 23.8
153 12.8 10.2 15.4

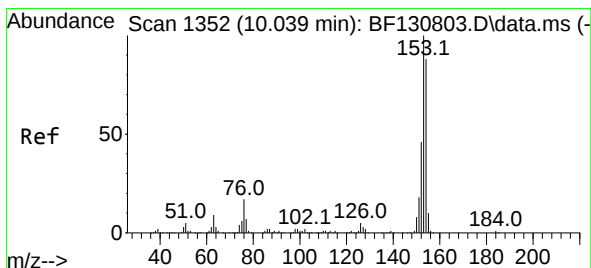
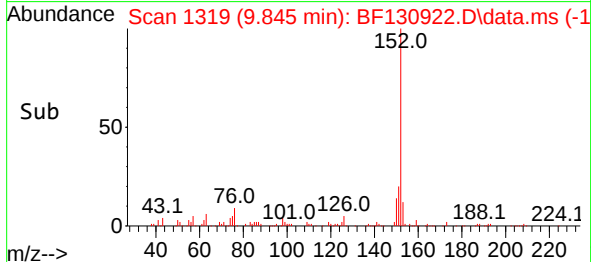
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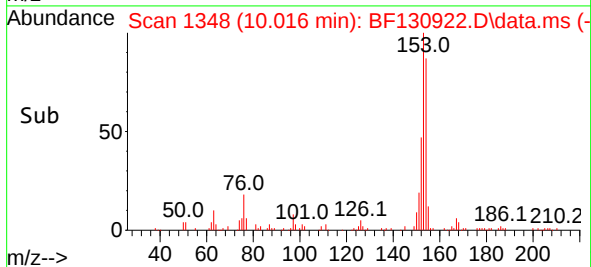
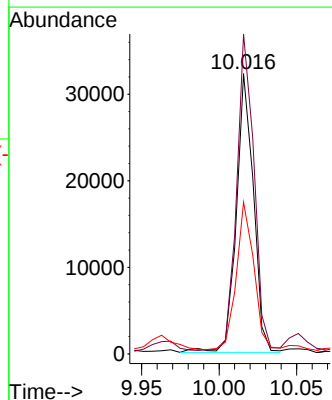
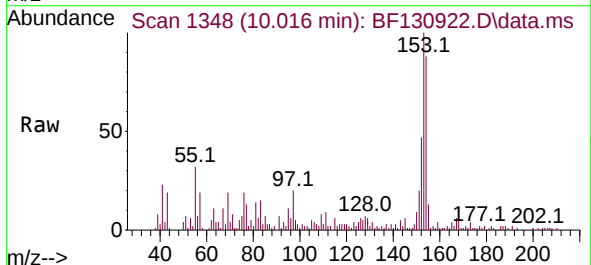
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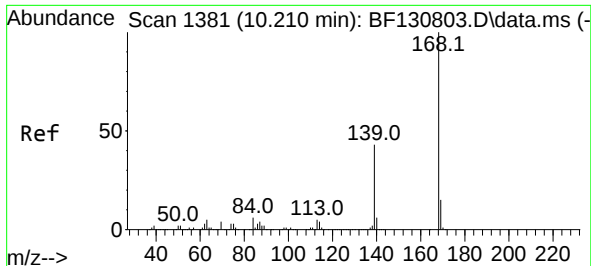
11/02/2022



#52
Acenaphthene
Concen: 4.345 ng
RT: 10.016 min Scan# 1348
Delta R.T. -0.006 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

Tgt Ion:154 Resp: 24847
Ion Ratio Lower Upper
154 100
153 114.2 90.5 135.7
152 54.2 42.0 63.0





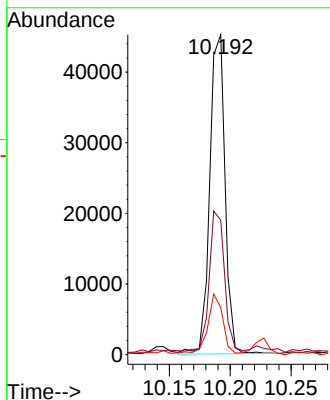
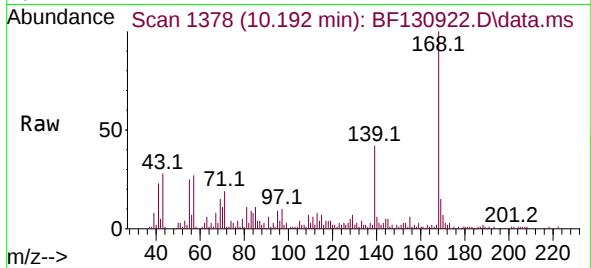
#55
Dibenzenofuran
Concen: 4.786 ng
RT: 10.192 min Scan# 1381
Delta R.T. 0.000 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

Instrument :
BNA_F
ClientSampleId :
OE-1-103122

Tgt Ion:168 Resp: 39672
Ion Ratio Lower Upper
168 100
139 42.0 34.3 51.5
169 14.7 11.9 17.9

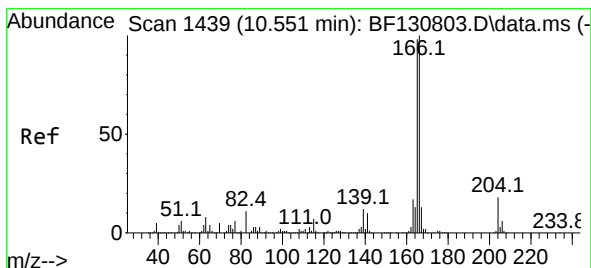
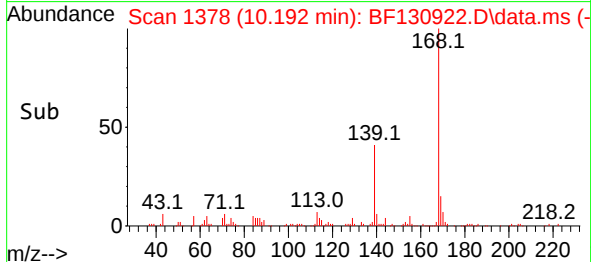
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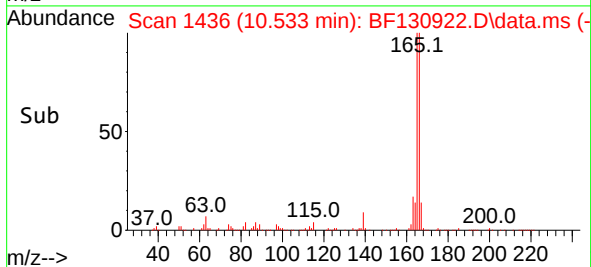
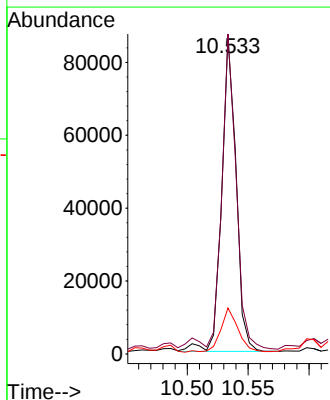
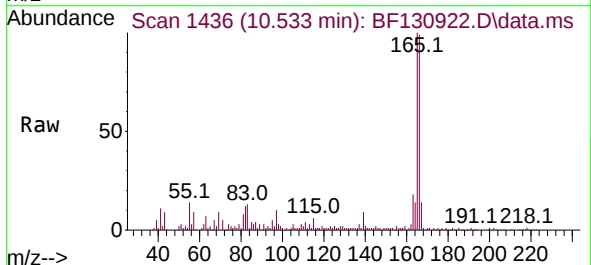
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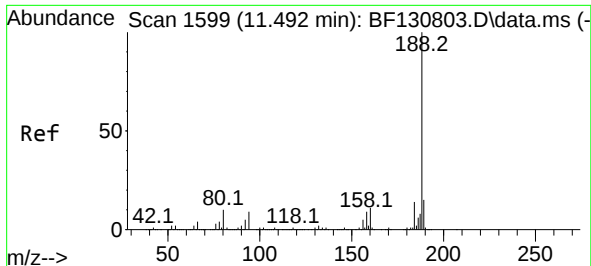
11/02/2022



#58
Fluorene
Concen: 10.852 ng
RT: 10.533 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

Tgt Ion:166 Resp: 70828
Ion Ratio Lower Upper
166 100
165 101.1 78.1 117.1
167 14.5 10.4 15.6





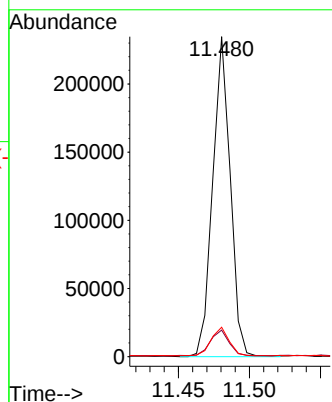
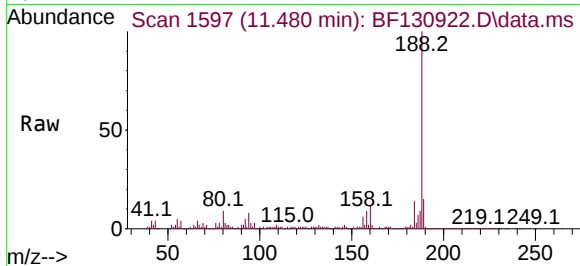
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

Instrument :
BNA_F
ClientSampleId :
OE-1-103122

Tgt Ion:188 Resp: 202083
Ion Ratio Lower Upper
188 100
94 8.3 7.4 11.2
80 9.2 8.0 12.0

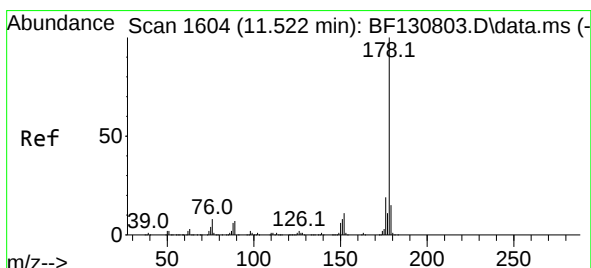
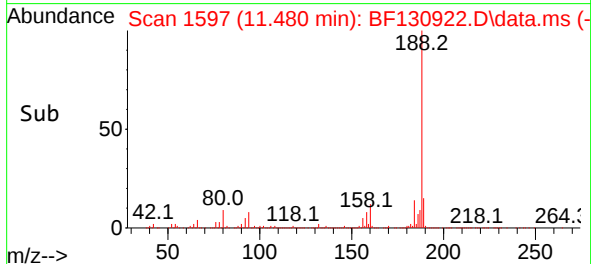
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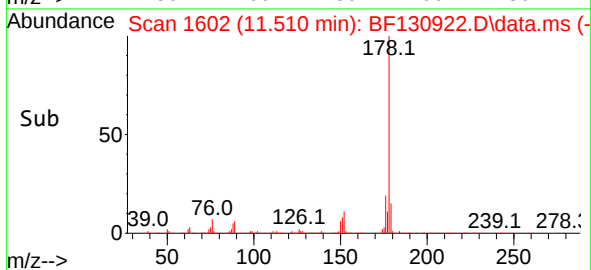
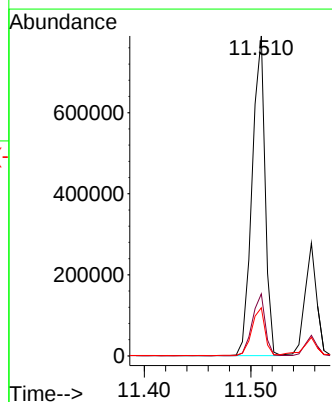
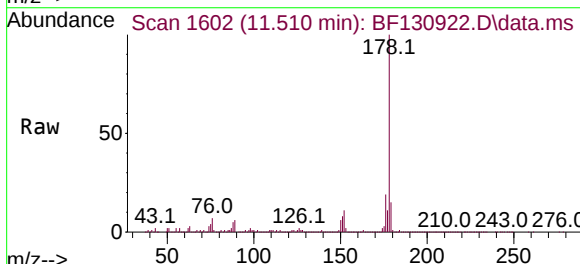
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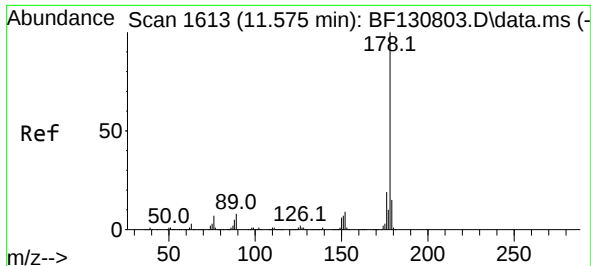
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#71
Phenanthrene
Concen: 64.260 ng
RT: 11.510 min Scan# 1602
Delta R.T. 0.006 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

Tgt Ion:178 Resp: 670245
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.0 12.2 18.2





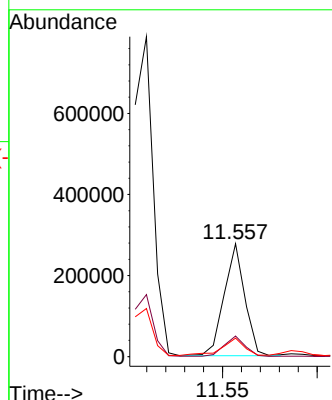
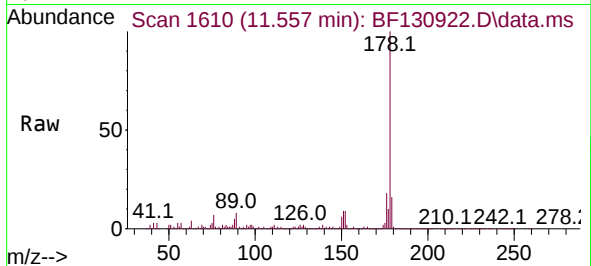
#72
 Anthracene
 Concen: 20.382 ng
 RT: 11.557 min Scan# 1610
 Delta R.T. 0.000 min
 Lab File: BF130922.D
 Acq: 02 Nov 2022 02:56

Instrument :
 BNA_F
 ClientSampleId :
 OE-1-103122

Tgt Ion:178 Resp: 209686
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.0
 179 16.4 12.2 18.4

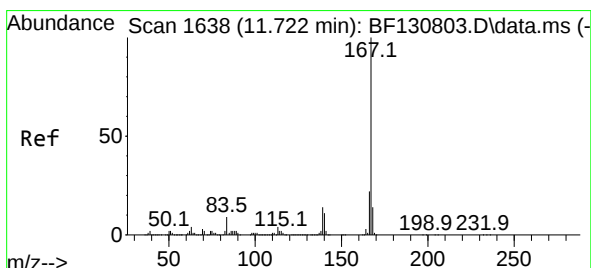
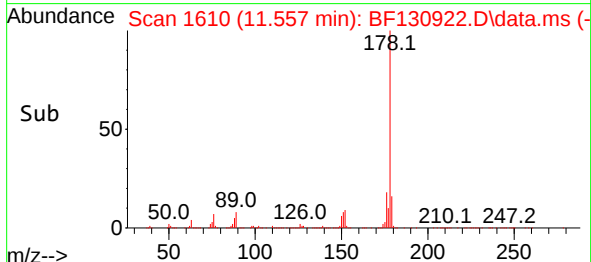
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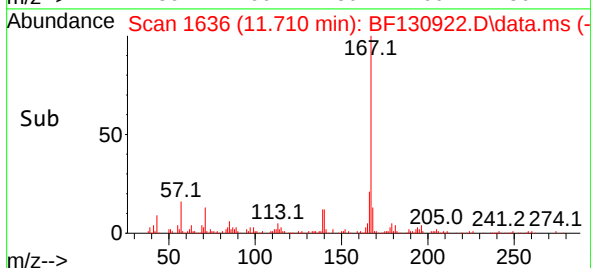
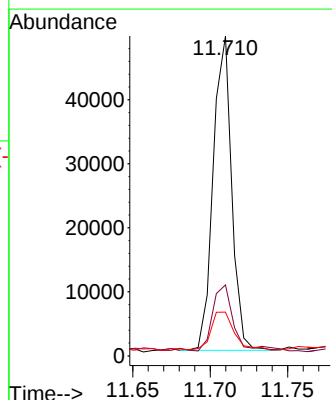
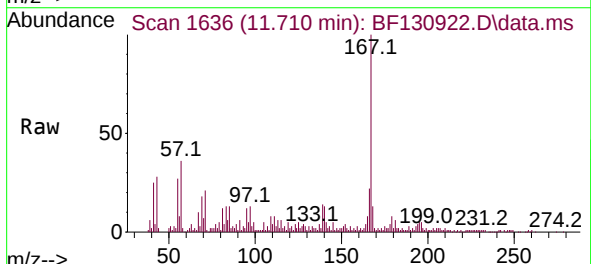
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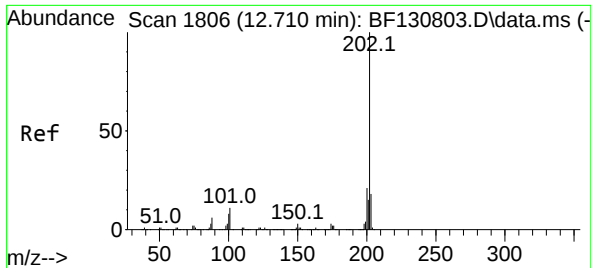
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#73
 Carbazole
 Concen: 4.419 ng
 RT: 11.710 min Scan# 1636
 Delta R.T. 0.000 min
 Lab File: BF130922.D
 Acq: 02 Nov 2022 02:56

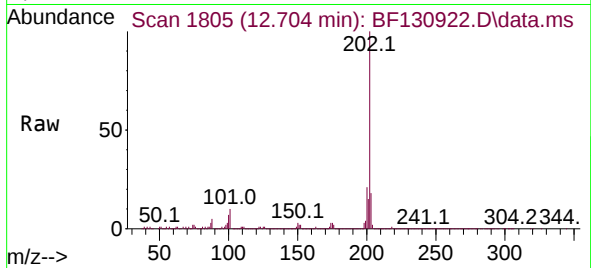
Tgt Ion:167 Resp: 40709
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.4 26.0
 139 13.7 11.3 16.9





#75
Fluoranthene
Concen: 87.518 ng
RT: 12.704 min Scan# 1806
Delta R.T. 0.006 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

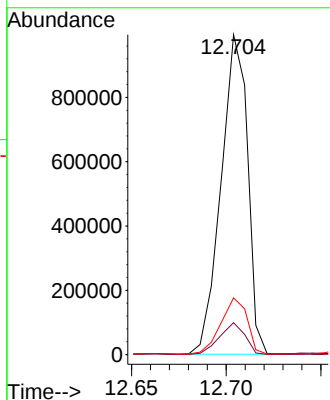
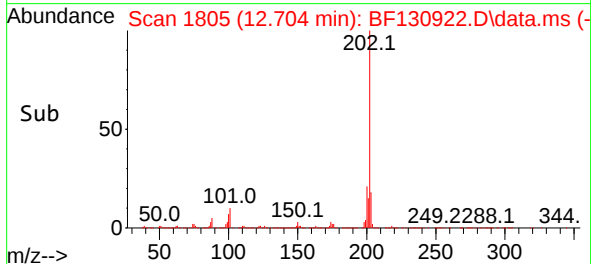
Instrument :
BNA_F
ClientSampleId :
OE-1-103122



Tgt Ion:202 Resp: 969876
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.9
203 17.7 0.0 37.7

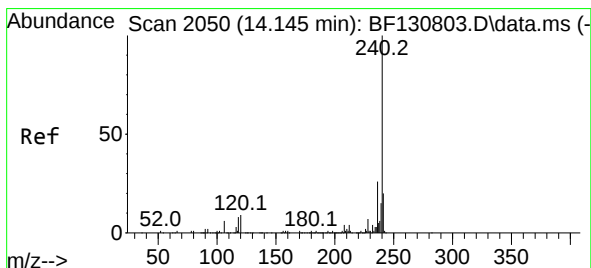
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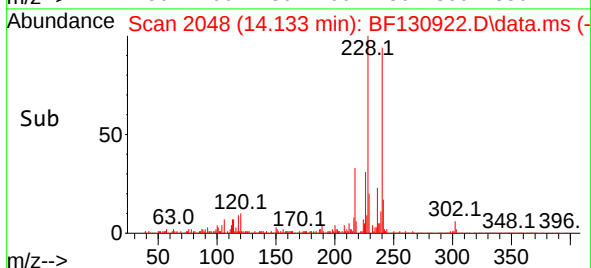
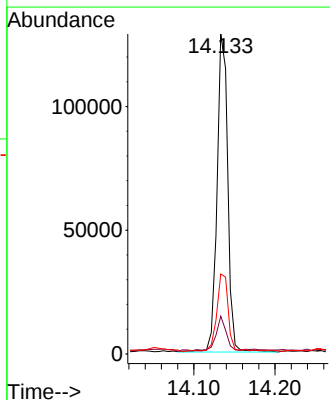
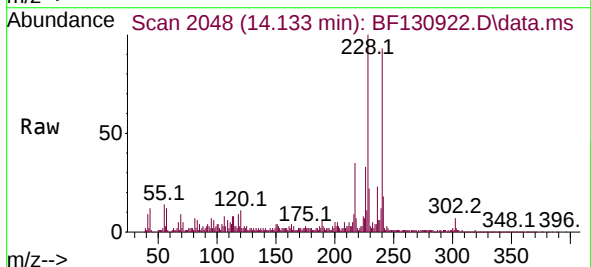
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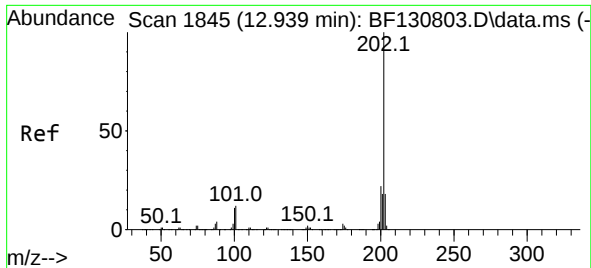
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2048
Delta R.T. 0.006 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

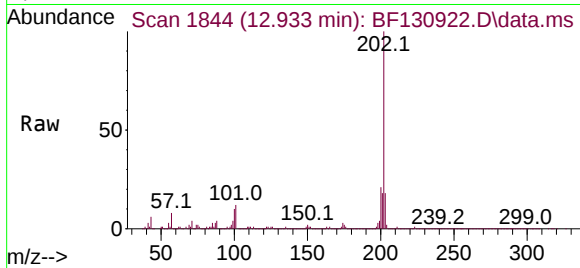
Tgt Ion:240 Resp: 117619
Ion Ratio Lower Upper
240 100
120 11.8 7.0 10.4#
236 25.0 20.5 30.7





#78
Pyrene
Concen: 73.729 ng
RT: 12.933 min Scan# 1845
Delta R.T. 0.006 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

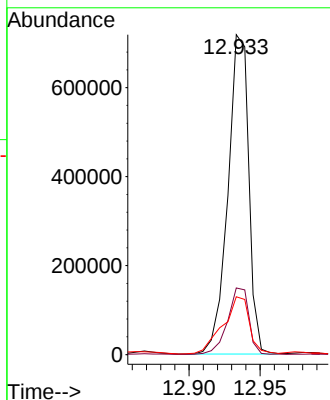
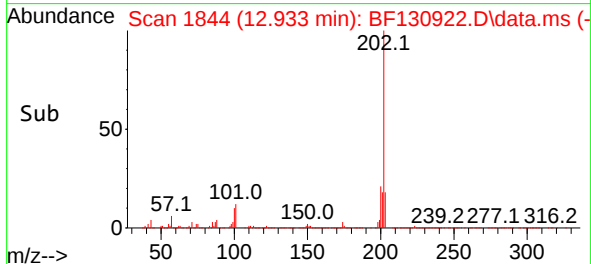
Instrument :
BNA_F
ClientSampleId :
OE-1-103122



Tgt Ion:202 Resp: 731636
Ion Ratio Lower Upper
202 100
200 20.8 17.2 25.8
203 18.1 14.5 21.7

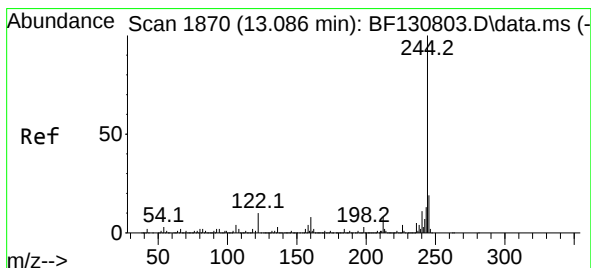
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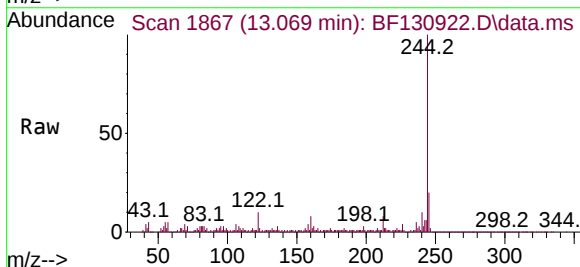


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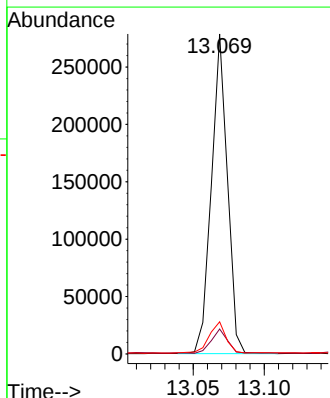
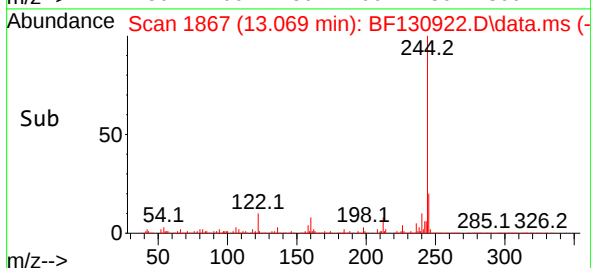
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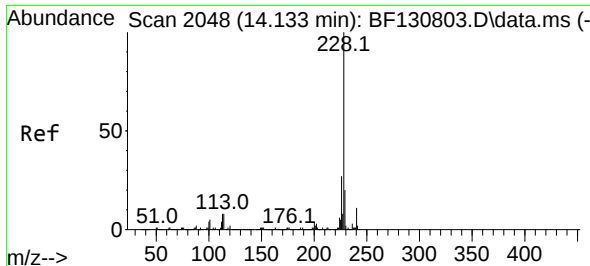


#79
Terphenyl-d14
Concen: 33.961 ng
RT: 13.069 min Scan# 1867
Delta R.T. 0.000 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56



Tgt Ion:244 Resp: 217985
Ion Ratio Lower Upper
244 100
212 7.8 6.2 9.2
122 10.1 7.9 11.9





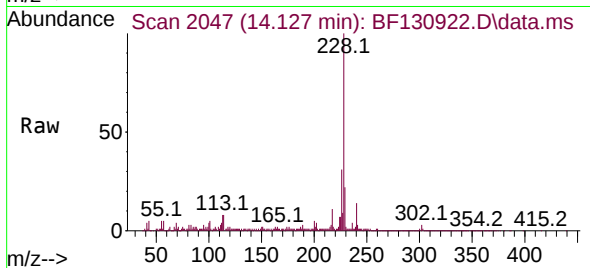
#81
Benzo(a)anthracene
Concen: 44.974 ng
RT: 14.127 min Scan# 2048
Delta R.T. 0.012 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

Instrument :

BNF

ClientSampleId :

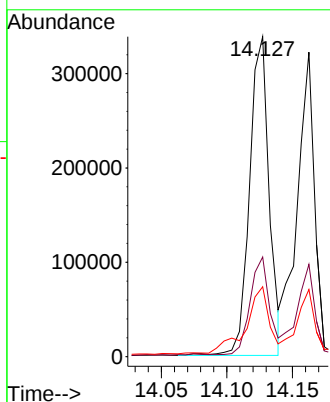
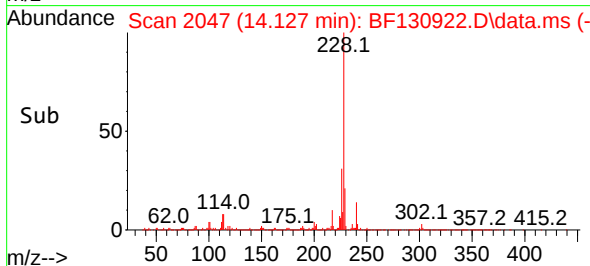
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Tgt Ion:228 Resp: 350716
Ion Ratio Lower Upper
228 100
226 31.1 21.4 32.2
229 21.8 15.8 23.6

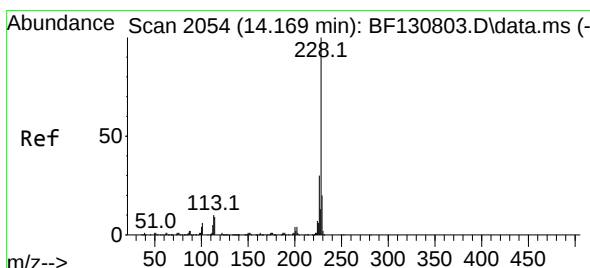
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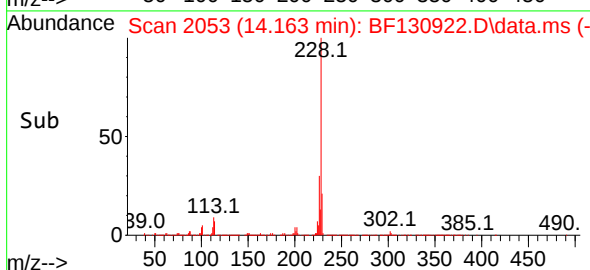
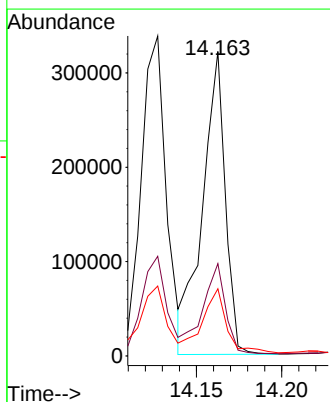
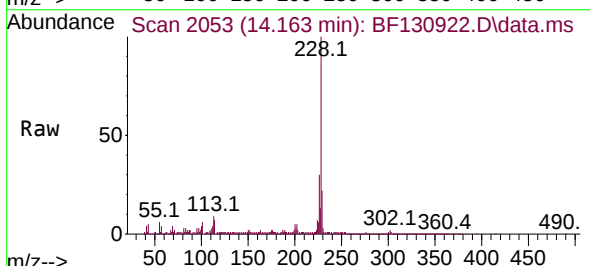
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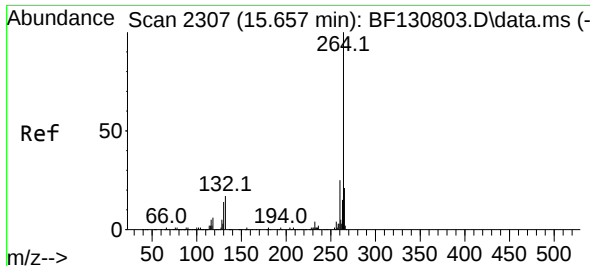
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#83
Chrysene
Concen: 39.715 ng
RT: 14.163 min Scan# 2053
Delta R.T. 0.006 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

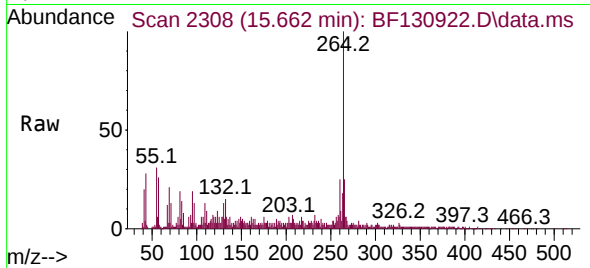
Tgt Ion:228 Resp: 298737
Ion Ratio Lower Upper
228 100
226 30.3 23.9 35.9
229 22.0 15.8 23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.662 min Scan# 2307
Delta R.T. 0.018 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

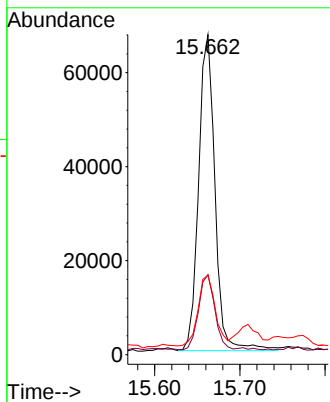
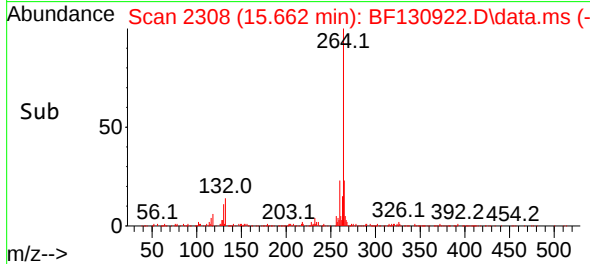
Instrument :
BNA_F
ClientSampleId :
OE-1-103122



Tgt Ion:264 Resp: 89954
Ion Ratio Lower Upper
264 100
260 25.0 19.9 29.9
265 24.8 17.0 25.6

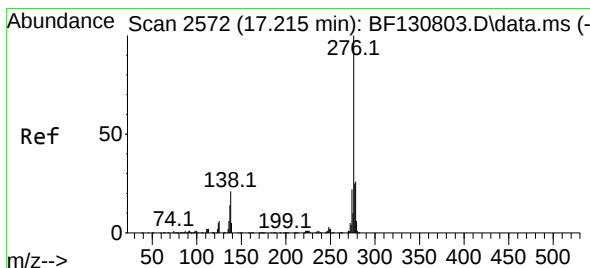
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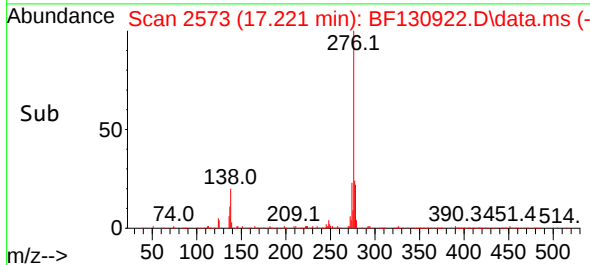
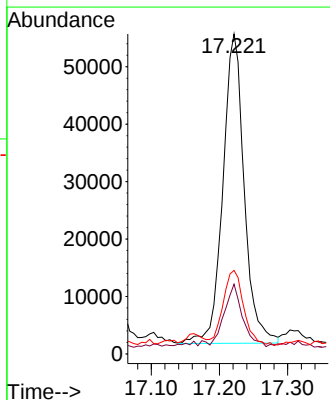
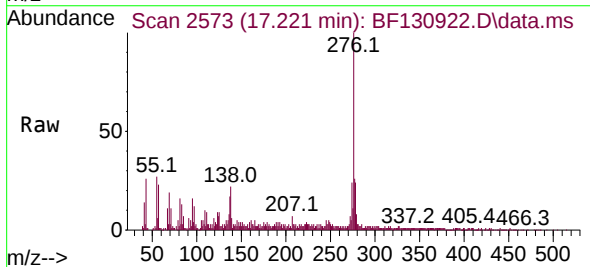
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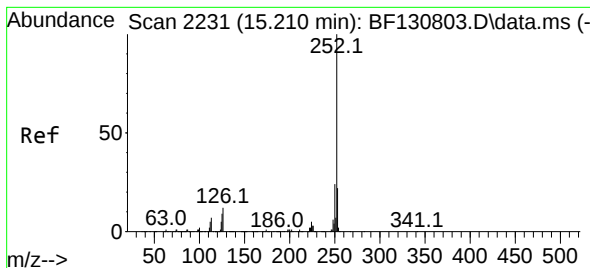
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#87
Indeno(1,2,3-cd)pyrene
Concen: 19.585 ng
RT: 17.221 min Scan# 2573
Delta R.T. 0.029 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

Tgt Ion:276 Resp: 116995
Ion Ratio Lower Upper
276 100
138 17.3 19.1 28.7#
277 23.9 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 56.280 ng m

RT: 15.210 min Scan# 2231

Delta R.T. 0.018 min

Lab File: BF130922.D

Acq: 02 Nov 2022 02:56

Instrument :

BNF

ClientSampleId :

OE-1-103122

Tgt Ion:252 Resp: 32726

Ion Ratio Lower Upper

252 100

253 23.8 17.5 26.3

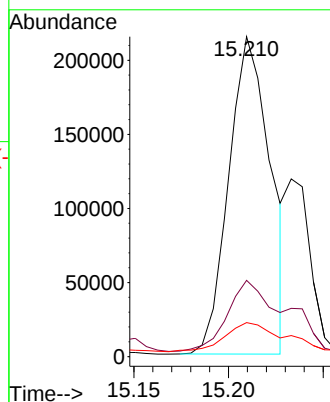
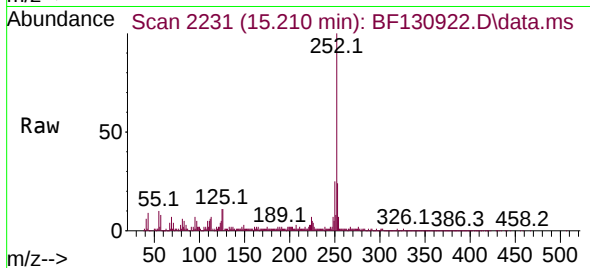
125 10.6 7.0 10.4

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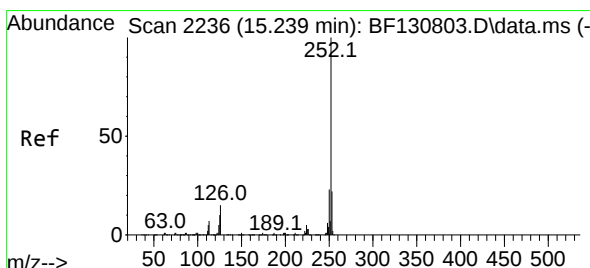
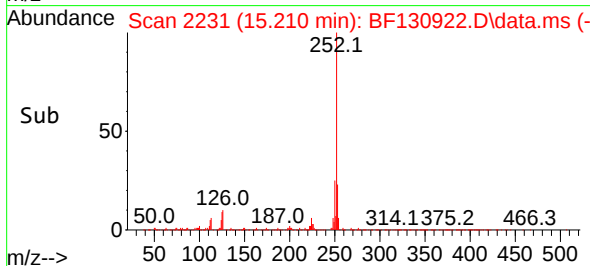
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#89

Benzo(k)fluoranthene

Concen: 18.401 ng m

RT: 15.233 min Scan# 2235

Delta R.T. 0.006 min

Lab File: BF130922.D

Acq: 02 Nov 2022 02:56

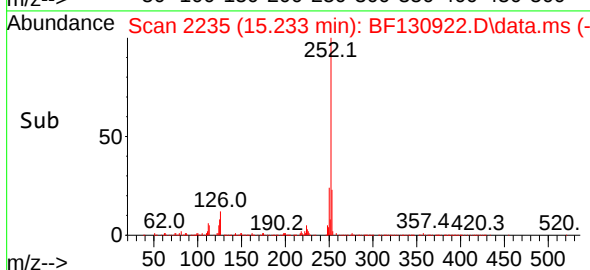
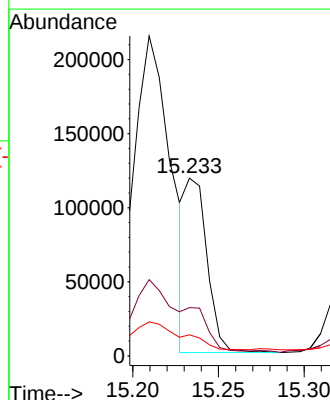
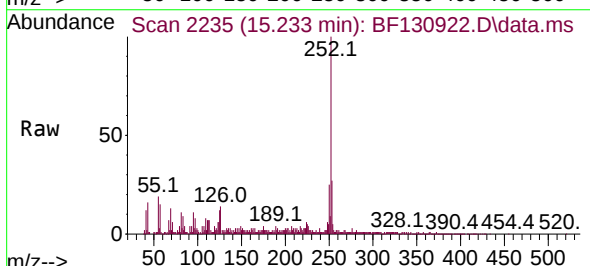
Tgt Ion:252 Resp: 104262

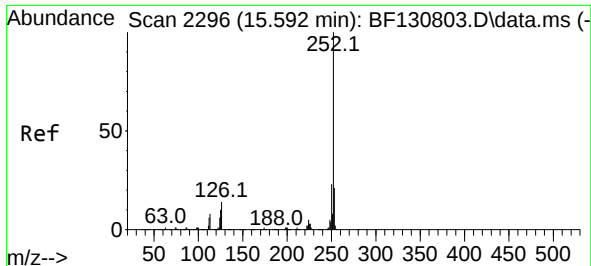
Ion Ratio Lower Upper

252 100

253 27.1 17.5 26.3

125 11.8 8.0 12.0





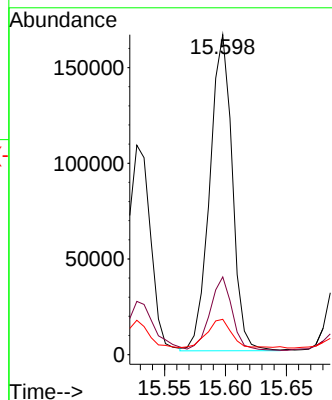
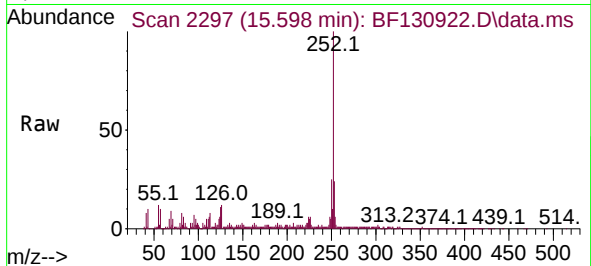
#90
Benzo(a)pyrene
Concen: 45.497 ng
RT: 15.598 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

Instrument :
BNA_F
ClientSampleId :
OE-1-103122

Tgt Ion:252 Resp: 212673
Ion Ratio Lower Upper
252 100
253 24.3 16.8 25.2
125 11.0 8.3 12.5

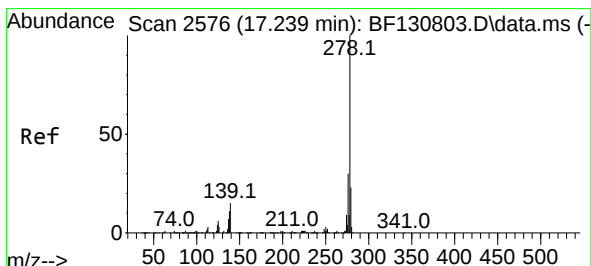
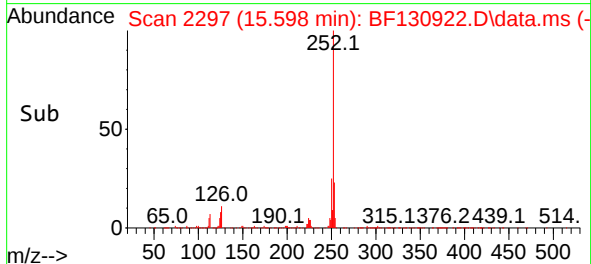
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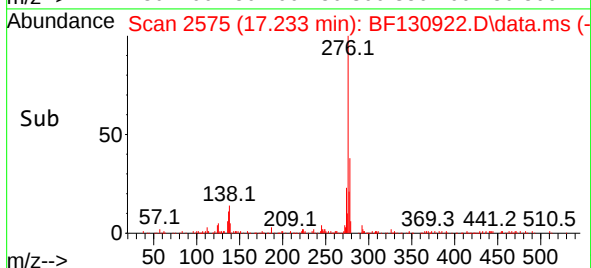
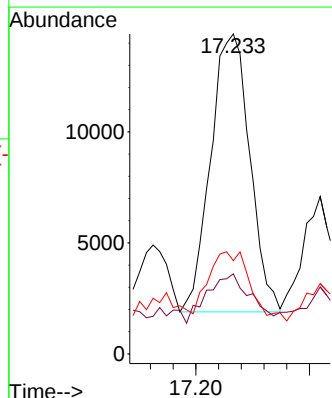
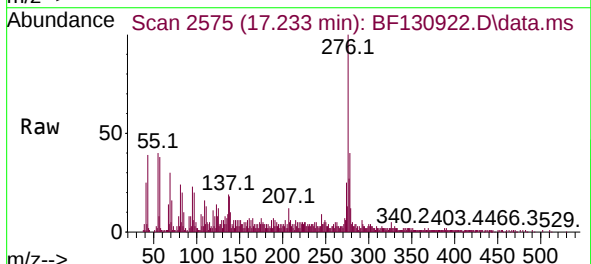
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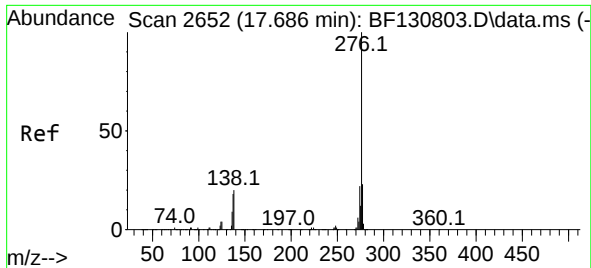
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#91
Dibenzo(a,h)anthracene
Concen: 6.152 ng
RT: 17.233 min Scan# 2575
Delta R.T. 0.018 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

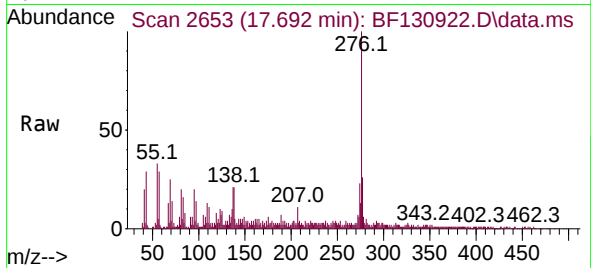
Tgt Ion:278 Resp: 29957
Ion Ratio Lower Upper
278 100
139 25.0 11.9 17.9#
279 29.1 18.6 28.0#





#92
Benzo(g,h,i)perylene
Concen: 19.782 ng
RT: 17.692 min Scan# 20
Delta R.T. 0.024 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

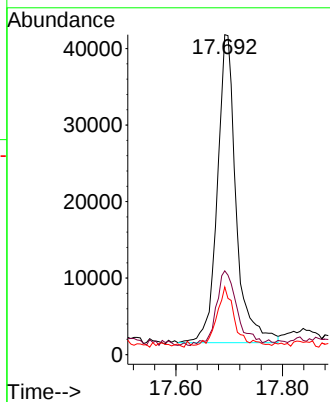
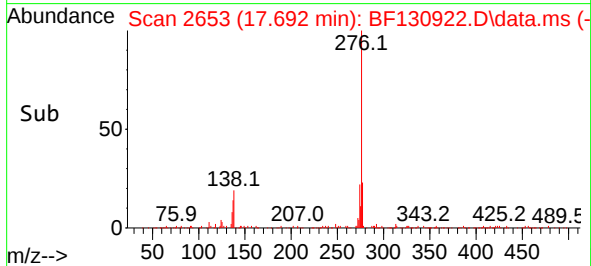
Instrument :
BNA_F
ClientSampleId :
OE-1-103122



Tgt Ion:276 Resp: 9827
Ion Ratio Lower Upper
276 100
277 26.2 18.8 28.2
138 21.1 16.3 24.5

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